UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,821	11/13/2001	Wen Chi Lin	1091AAE	6162

7590   02/08/2005

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ART UNIT	PAPER NUMBER
2131	

DATE MAILED: 02/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 November 2001*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-5* is/are pending in the application.

　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-5* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　a)☐ All　b)☐ Some * c)☐ None of:

　　1.☐ Certified copies of the priority documents have been received.

　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
　　application from the International Bureau (PCT Rule 17.2(a)).

　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
　Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

1. Claims 1-5 have been examined.

Specification

2. The disclosure is objected to because of the following informalities: There is a

typographical error in line 27 on page 2 of the specification, in which the word "requied"

should be "required". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form

the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5 rejected under 35 U.S.C. 102(b) as being anticipated by Piosenka et al.

(U.S. Patent 4,993,068).

5. With respect to claim 1, Piosenka et al. disclose a method for preventing unauthorized

persons from entering and using a computer facility, said method comprising:

storing first fingerprints of authorized persons (column 6, lines 40-48; column 4,

lines 61-68 to column 5, lines 1-2);

detecting a second fingerprint of a detected person to enter into the computer

facility (column 8, lines 33-35, 43-45);

comparing said second fingerprint with said first fingerprints to determine

whether the detected second fingerprint matches said stored first fingerprints or

not (column 8, lines 55-57), and

permitting said detected person to enter into the computer facility when said

second fingerprint matches with said stored first fingerprints (column 8, lines 64-68).

6. With respect to claim 2, Piosenka et al. disclose a method further comprising

providing a processor unit and a fingerprint image sensor, coupling said fingerprint image

sensor to said processor unit for detecting said second fingerprint (Figure 2, items 33 and

37) and for entering said second fingerprint into said processor unit (column 8, lines 33-

35, 43-45).

7. With respect to claim 3, Piosenka et al. disclose a method further comprising

providing and coupling an input/output device to said processor unit for entering

passwords into said processor unit (Figure 2, item 40; column 9, lines 22-25).

8. With respect to claim 4, Piosenka et al. disclose a method for preventing unauthorized

persons from entering and using a computer facility, said method comprising:

providing a processor unit and a fingerprint image sensor (Figure 2, items 33 and

37);

storing a first password in said processor unit (column 9, lines 22-23; column 8,

lines 10-28);

coupling said fingerprint image sensor to said processor unit (Figure 2, items 33
and 37);

storing first fingerprints of authorized persons in said processor unit (column 6,
lines 40-48; column 4, lines 61-68 to column 5, lines 1-2; column 8, lines 10-28);

detecting a second fingerprint of a detected person to enter into the computer
facility with said finger print image sensor (column 8, lines 33-35, 43-45);

entering said second fingerprint into said processor unit (column 8, 43-45);

comparing said second fingerprint with said first fingerprints to determine
whether the detected fingerprint matches the stored fingerprints or not (column 8, lines
55-57);

providing and coupling an input/output device to said processor unit for entering a
second password into said processor unit (Figure 2, item 40; column 9, lines 22-25), and

permitting said detected person to enter into the computer facility either when said
second fingerprint matches with said stored first fingerprints or when said second
password matches with said first password (column 8, lines 64-68; column 9, lines 22-
36).

9. With respect to claim 5, Piosenka et al. disclose a method for preventing unauthorized
persons from entering and using a computer facility, said method comprising:

providing a processor unit and a fingerprint image sensor (Figure 2, items 33 and
37);

storing a first password in said processor unit (column 9, lines 22-23; column 8,
lines 10-28);

coupling said fingerprint image sensor to said processor unit (Figure 2, items 33

and 37);

storing first fingerprints of authorized persons in said processor unit (column 6,

lines 40-48; column 4, lines 61-68 to column 5, lines 1-2; column 8, lines 10-28);

detecting a second fingerprint of a detected person to enter into the computer

facility with said finger print image sensor (column 8, lines 33-35, 43-45);

entering said second fingerprint into said processor unit (column 8, 43-45);

comparing said second fingerprint with said first fingerprints to determine

whether the detected fingerprint matches the stored fingerprints or not (column 8, lines

55-57);

providing and coupling an input/output device to said processor unit for entering a

second password into said processor unit (Figure 2, item 40; column 9, lines 22-25), and

permitting said detected person to enter into the computer facility when said

second fingerprint matches with said stored first fingerprints and when said

second password matches with said first password (column 8, lines 64-68; column 9,

lines 22-27).

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure: Castle, Tom. Online Authentication Using Combined Smart Card and

Fingerprint Recognition. 10/13/01. University of Cambridge Center for Applied Research
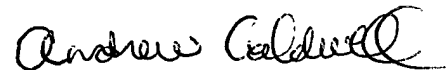
into Education Technology.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramya Ananthanarayanan whose telephone number is (571) 272-5860. The examiner can normally be reached on Monday through Friday, 8:30 -5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RA

ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER